

Technical Data Sheet

Coding	series 500
PUP700	Polyurethane alkyd Wood Pigmented primer 700
PRIMER	:NCP 590WHITE /NCP570 GREY/ NCP 599 BLACK
Brand Name	WOODLAC
Color	Colored When Sprayed
Chemistry	NITRO CELLULOSE
Hardener	NONE
Air drying	YES

COMPOSITION AND APPLICATION FIELD

NCP 500 is A nitro cellulose solvent base Pigmented Primer System Selected from High Quality Raw Material ,it has a good Pigment charge , with high levelling sanding and flow properties resulting good closing pores possibility of MDF substrate and wood panels .

NCP 500 has a very good sanding property and create an adequate adhesion base coat for further top coat built up .

NCP 500 is one of the best solution for wood coating system where good coating hardness properties are required like tables top . However the result will always differ from the selection of the Top coat used and quality of solvent in which NCP 500 is diluted .

Application Field For NCP 500:

Wood and MDF board.

NCP 500 has an excellent property to keep the substrate ready with good adhesion of top coat.

NCP 500 is a good solution to be used on open pores substrate like MDF enhance block of sucking effect

NCP 500 is considered to be a part of a wood finishing system and applied as a Primer for top coat NCT 590 which is a nitro cellulose pigmented Top coat.

NCP 500 might be as well a good solution if applied ON MDF Board where good hardness and mechanical resistant properties are needed..

NCP 500 present film property to be able to accept over high gloss or semi matt and matt pigmented top coat

APPLICATION

THINNING

For conventional spray Application with NC thinner 20-30%

For Airless air assisted Application with NC thinner 15-20%

For Curtain Application systems : with NC thinner 30-35%

In hot humid climate an addition of 3 to 5 % of OX7 is recommended upon working need

HAMCO SARL

Factory :Haber Building ,Rwess Street ,Fanar ,Lebanon

Commercial Branch :Hazmieh- Mar Takla –Lebanon -Tel/Fax+961 5 454292

E mail :Infotec@hamcoleb.com www.hamcoleb.com

TECHNICAL CHARACTERISTICS

PHISICAL PROPERTIES

Specific gravity for NCP 500	1.00	(±0.003)	Kg/l
Viscosity. Ford 8/25°C	70	(± 5)	Sec
Flash Point	21°C		

APPLICATION RATE7 m²/kg (each coat)overspray not considered

DRYING at 25°C

* Dust free	20 min
Touch drying	10 min .
Sanding drying	2-4hrs

On serial batch coating systems it is always recommended to check all the parameters on a small test application before starting any coating cycle .

Mechanical properties

Sanding	very good
Adherence	very good

Preparation Manual

NCP 500 Series are normally used for substrate MDF panels to be placed indoor and has a good mechanical resistivity in case used on our complete system with our NCT 5X0 TOP COAT Pigmented in that case system can give good hiding power and effect top coat appearance ,or it can be in different color like grey NCP570 red NCP530 to give special appearance upon working need for later top coat shading need . Substrate must be sanded at 100grain caliper and than primer in 2 coats ,Sand papering by 220 grain caliper applying second coat if needed and puttying with our NCF filler or PE filler after 2-4hrs minimum(depending on weathering condition and drying equipment use) than sanding it by a 220/400grain caliper than overnight applying top coat at a maximum interval time of not more than 4/6hrs.

Best to overcoat in not less than 2hrs depend on climate situation.

APPLICATION METHODS

Spray application : conventional Spray suction 1.8/2.0mm /5bar -Gravity cup gun 1.8mm/3.5bar-Airless air assisted systems nozzles 0.017” /70-90bar OR AIRLESS 0.0015”AT 150BAR

Curtain systems : Dilution must be respected with NC thinner to keep viscosity steady and avoid any problem in application .

Interval coat 2hrs

PACKED IN :1Lit & 5 Lit & 25 Lit .

STORAGE Product filled in a well sealed pail or gallon with 12months shelve life from production date at 23°C

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Disclaimer :

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Some tests may vary according to several parameters and does not match pre-stated values in this data sheet .

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